### **R18 STUDY REPORT**

# PROCEDURE FOR CONVERTING RECREATION DAYS (by Site) TO VISITOR DAYS (by Site and Origin of Visitor)

Number of Recreation Days at each Site (from 2002/03 recreation surveys and presented in R9 Study Report) Adjust Recreation Days at Lake Oroville Upwards to Account for Low Water Year in 2002 Allocate Recreation Days to Residents and Nonresidents of Butte County based on the Relative Proportion of Resident and Nonresident Visitors at each Site, based on Onsite Recreation Surveys Allocate Recreation Days of Residents to Model Areas where Visitors to each Site Reside Convert Recreation Days to Visitor Days based on Data from the Recreation Surveys indicating the Proportion of Visitors who Visit Multiple Sites Number of Visitor Days to each Site by Nonresidents and Residents Originating from each Model Area are then MULTIPLIED BY Estimates of Per Capita Spending by Model Area, Origin of Visitor, and Expenditure Category for Visits to each Site (Appendix B) ESTIMATED RECREATION-RELATED SPENDING GENERATED

BY EXISTING VISITATION TO THE OROVILLE FACILITIES (Table 5.1-1)

# CONVERSION OF RECREATION DAYS (by Site) TO VISITOR DAYS (by site and origin of visitors) 2002-2003 FY

# of Completed Surveys

TOTAL

% of Completed Surveys

2002-03 Recreation Survey Information

	# Of Completed Surf	TOTAL		70 Of Completed Surveys		
	Residents	Non-Resident	Numbers	Percent	Residents	Non-Residents
Lake Oro	639	637	1276	0.553	0.501	0.499
FR-Div Pool	142	59	201	0.087	0.706	0.294
Forebay	211	62	273	0.118	0.773	0.227
Afterbay	157	87	244	0.106	0.643	0.357
OWA-Clay Pit	114	200	314	0.136	0.363	0.637
			2308			
Number of Recreatio	n Days by Site					
	Site RDs	Add'l RDs	Total RDs			
Lake Oroville	1000485	11017	1011502			
FR-Div Pool	20,603	190813	211416			
Forebay	135,720	1587	137307			
Afterbay	93368	44637	138005			
OWA-Clay Pit	318,462	294	318756			
		248348	1816986			
Recreation Days by (	Origin					
Trooreducti Dayo by						
ricoroadon bayo by	Non-Res of Butte	Residents of E	Butte Co. by M	Modeling Area	3	
Nooroudon bayo by		Residents of I Oroville	Butte Co. by N Chico	Modeling Area Paradise	a Biggs-Gridley	TOTAL RES
Lake Oroville	Non-Res of Butte			Paradise	Biggs-Gridley	TOTAL RES 506,594
	Non-Res of Butte Co	Oroville	Chico 103,031	Paradise 108,603	Biggs-Gridley 21,477	
Lake Oroville	Non-Res of Butte Co 504,958	Oroville 273,483 114,648	Chico 103,031 15,772	Paradise 108,603 14,727	Biggs-Gridley 21,477 4,212	506,594
Lake Oroville FR-Div Pool	Non-Res of Butte Co 504,958 62,057	Oroville 273,483 114,648 71,422	Chico 103,031 15,772 14,581	Paradise 108,603 14,727 14,083	Biggs-Gridley 21,477 4,212 6,038	506,594 149,359
Lake Oroville FR-Div Pool Forebay	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029	Oroville 273,483 114,648 71,422 35,066 61,925	Chico 103,031 15,772 14,581 26,586	Paradise 108,603 14,727 14,083 13,009	Biggs-Gridley 21,477 4,212 6,038 14,137	506,594 149,359 106,124
Lake Oroville FR-Div Pool Forebay Afterbay	Non-Res of Butte Co 504,958 62,057 31,183 49,207	Oroville 273,483 114,648 71,422 35,066 61,925	Chico 103,031 15,772 14,581 26,586 24,360	Paradise 108,603 14,727 14,083 13,009 14,211	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230	506,594 149,359 106,124 88,798
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925	Chico 103,031 15,772 14,581 26,586 24,360	Paradise 108,603 14,727 14,083 13,009 14,211	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230	506,594 149,359 106,124 88,798 115,727
Lake Oroville FR-Div Pool Forebay Afterbay	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544	Chico 103,031 15,772 14,581 26,586 24,360 184,331	Paradise 108,603 14,727 14,083 13,009 14,211 164,633	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094	506,594 149,359 106,124 88,798 115,727 966,602
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925	Chico 103,031 15,772 14,581 26,586 24,360 184,331	Paradise 108,603 14,727 14,083 13,009 14,211 164,633	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094	506,594 149,359 106,124 88,798 115,727 966,602
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit Origin-Destination for	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544	Chico 103,031 15,772 14,581 26,586 24,360 184,331	Paradise 108,603 14,727 14,083 13,009 14,211 164,633	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094	506,594 149,359 106,124 88,798 115,727 966,602 1,817,037
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit  Origin-Destination fo	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544 Residents of I Oroville 0.5399	Chico 103,031 15,772 14,581 26,586 24,360 184,331 Butte Co. by N Chico 0.2034	Paradise 108,603 14,727 14,083 13,009 14,211 164,633 Modeling Are: Paradise 0.2144	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094 a Biggs-Gridley 0.0424	506,594 149,359 106,124 88,798 115,727 966,602
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit  Origin-Destination for Lake Oroville FR-Div Pool	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544 Residents of I	Chico 103,031 15,772 14,581 26,586 24,360 184,331 Butte Co. by N Chico 0.2034	Paradise 108,603 14,727 14,083 13,009 14,211 164,633 Modeling Are: Paradise 0.2144	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094 a Biggs-Gridley 0.0424	506,594 149,359 106,124 88,798 115,727 966,602 1,817,037
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit  Origin-Destination for Lake Oroville FR-Div Pool Forebay	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544 Residents of I Oroville 0.5399	Chico 103,031 15,772 14,581 26,586 24,360 184,331 Butte Co. by N Chico 0.2034 0.1058	Paradise 108,603 14,727 14,083 13,009 14,211 164,633 Modeling Area Paradise 0.2144 0.0986 0.1327	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094 a Biggs-Gridley 0.0424 0.0282 0.0569	506,594 149,359 106,124 88,798 115,727 966,602 1,817,037
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit  Origin-Destination for Lake Oroville FR-Div Pool Forebay Afterbay	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544 Residents of I Oroville 0.5399 0.7676	Chico 103,031 15,772 14,581 26,586 24,360 184,331 Butte Co. by N Chico 0.2034 0.1058	Paradise 108,603 14,727 14,083 13,009 14,211 164,633 Modeling Area Paradise 0.2144 0.0986 0.1327	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094 a Biggs-Gridley 0.0424 0.0282 0.0569	506,594 149,359 106,124 88,798 115,727 966,602 1,817,037
Lake Oroville FR-Div Pool Forebay Afterbay OWA-Clay Pit  Origin-Destination for Lake Oroville FR-Div Pool Forebay	Non-Res of Butte Co 504,958 62,057 31,183 49,207 203,029 850,435	Oroville 273,483 114,648 71,422 35,066 61,925 556,544 Residents of I Oroville 0.5399 0.7676 0.673	Chico 103,031 15,772 14,581 26,586 24,380 184,331 Butte Co. by N Chico 0.2034 0.1058 0.1374	Paradise 108,603 14,727 14,083 13,009 14,211 164,633 Modeling Are. Paradise 0.2144 0.0986 0.1327 0.1465	Biggs-Gridley 21,477 4,212 6,038 14,137 15,230 61,094 a Biggs-Gridley 0.0424 0.0282 0.0569	506,594 149,359 106,124 88,798 115,727 966,602 1,817,037

## NUMBER OF VISITOR DAYS FOR MULTIPLYING SPENDING PROFILES BY

		RESIDENTS OF BUTTE COUNTY							
		Oroville Modeling Area		Chico Modeling Area		Paradise Modeling Area		Biggs-Gridley Modeling Area	
	NON-RES OF	Local	Non-Local	Local	Non-Local	Local	Non-Local	Local	Non-Local
	BUTTE CO.	Residents	Residents	Residents	Residents	Residents	Residents	Residents	Residents
Lake Oroville	318124	172294	146860	64910	254245	68420	250735	13531	305624
FR-Div Pool	39717	73374	22215	10094	85495	9425	86164	2696	92894
Forebay	19334	44281	21516	9041	56756	8731	57066	3744	62053
Afterbay	28048	19988	30627	15154	35461	7415	43200	8058	42557
OWA-Clay Pit	127908	39013	33895	15347	57561	8953	63955	9595	63313
	533130	348951	255113	114546	489518	102944	501119	37623	566441
			604064		604064		604064		604064

Other Dispersed Sites Percent Number

1194

188

255

228

294

2160

0.553

0.087

0.118

0.106

0.136

Dispersed Sites

0.08

0.33

t Number 0.59 98

9823.5

1332

5494.5

16650

Percent

#### Factors for converting recreation days to visitor days in the above table are as follows:

	NONRESIDENTS	RESIDENTS
Lake Oroville	0.63	0.63
FR-Diversion Pool	0.64	0.64
Forebay	0.62	0.62
Afterbay	0.57	0.57
OWA-Clay Pit	0.63	0.63

Note: Developed from data compiled from responses to Q.4 of the onsite survey